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Quality Engineering Test Report

SERIES: SLW05B 5W DC-DC SINGLE OUTPUT CONVERTER
SAMPLE: A:SLW05B-05 +5V / 1000mA
B:SLW05B-09 +9V / 556mA
C:SLW05B-12 +12V / 417mA
D:SLW05B-15 +15V / 333mA

NO	TEST ITEM	TEST CONDITION / SPECIFICATION	RESULT	VERDICT
1	DC INPUT VOLTAGE RANGE	I/P:TESTING SPEC: 18~36VDC O/P:FULL LOAD	A:11~36VDC	P
2	LINE REGULATION	I/P: 18~36VDC SPEC: ±0.2%(MAX.) O/P: FULL LOAD	A:-0%~+0% B:-0%~+0% C:-0%~+0% D:-0%~+0%	P
3	LOAD REGULATION	I/P: 24VDC SPEC: ±1% O/P:MIN. TO FULL LOAD	A:-0%~+0% B:-0.1%~+0% C:-0.1%~+0% D:-0.1%~+0%	P
4	OUTPUT VOLTAGE TOLERANCE	I/P: 18~36VDC SPEC: NONE O/P:MIN. TO FULL LOAD	A:-0.1%~+0% B:-0.1%~+0% C:-0.1%~+0% D:-0.1%~+0%	P
5	RIPPLE&NOISE	I/P: 24VDC SPEC: 100mV O/P:FULL LOAD	A:20mV B:20mV C:22mV D:12mV	P
6	DC INPUT CURRENT	I/P: 24VDC SPEC: 0.27A O/P:FULL LOAD	A:0.26A	P
7	OVER LOAD PROTECTION	I/P: 24VDC SPEC: NONE O/P:TESTING	A:183% B:171% C:246% D:212%	P
8	O/P VOLTAGE ACCURACY	I/P: 24VDC SPEC: ±1%(MAX.) O/P:MIN. LOAD	A:+0.32% B:+0.67% C:+0.91% D:-0.40%	P
9	SET UP TIME	I/P:24VDC SPEC: NONE O/P:FULL LOAD	A:6.2mS	P
10	EFFICIENCY	I/P: 24VDC SPEC: 73% O/P:FULL LOAD	A:80.0% B:82.6% C:82.6% D:82.1%	P
11	INSULATION RESISTANCE	SPEC:I/P--O/P 500VDC/100M Ohms MIN.	A:I/P--O/P >100M Ohms	P
12	DIELECTRIC / WITHSTAND VOLTAGE	SPEC: I/P-- O/P: 1000VDC/ 1 min (10mA CUT-OFF)	A:NO BREAK I/P--O/P :<0.02mA	P
13	BURN-IN TEST	I/P:24VDC O/P:FULL LOAD TA:25°C BURN-IN DURATION : 2 hrs	A:NO BREAK B:NO BREAK C:NO BREAK D:NO BREAK	P
14	TEMPERATURE RISE TEST T rise OF PARTS	A:I/P :24VDC AFTER 4 hrs BURN-IN O/P :FULL LOAD TA:25°C		P
15	CONSTRUCTION INSPECTION (FOR QC INSPECTION REFERENCE ONLY)	A: 1. PACKING : 上,下加泡棉再外加紙盒包裝 2. MARKING : MODEL 3. MECHANICAL : FIVE-SIDED SHIELD METAL CASE 4. DIMENSIONS : LXWXH=50.8X25.4X11.27mm,PIN :1.0∅x8.3mm		

POSITION	SAMPLE	TEMP	T rise
CASE	SLW05B-05	42.0°C	17.0°C

DATE	SAMPLE	TEST RESULT	TEST	APPROVAL
1998.11.19	SLW05B-05 SLW05B-09 SLW05B-12 SLW05B-15	PASS	T.K.CHENG	MAX LIN